

REDUCTION OF SULFUR, NITROGEN OXIDES AND
VOLATILE TRACE METALS FROM
COMBUSTION IN FURNACES AND BOILERS

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ABSTRACT

A method for reducing the cost of emission control by utilizing a combination of
low cost, combustion and post-combustion processes to eliminate emissions of sulfur and
nitrogen oxides, and trace metals, including mercury, and trace dioxins and furans. These
processes are applied sequentially to the combustion flow train of an air-cooled, slagging
combustor-boiler, and include two groups of process steps. One group is implemented in
the combustor and the other in post combustion zones.

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